

## Corrugated Plastic Toy Box Containers



**What are the advantages of a Corrugated Plastic Container compare to Corrugated Paper boxes?**

The first benefit would be the durability of Corrugated Plastic Container over Paper Corrugated. Plastic Corrugated doesn't mind high humidity environments and in the possible case of water damage, your Plastic Corrugated container will help prevent your papers from being damaged. Unlike paper corrugated our Plastic Corrugated Containers will not loose stacking strength in humid environments. And it is washable.

Another benefit is that Plastic Corrugated is archive safe. Paper Corrugated contains acids that can damage documents and other delicate items like artwork. Plastic Corrugated is also beneficial in cleanroom applications as it does not have fiber dust like paper corrugated containers contain. It has been widely accepted by libraries, museums, banks, and government institutes.

It has an unlimited shelf life and the ability to store your documents safely for years to come. Corrugated plastic container is a perfect alternative and actual upgrade to any paper corrugated container.

We can customize colors, printings, sizes, and designs to meet all your requirements.

**Should I use Polypropylene(PP) or Polyethylene(PE) plastic corrugated**

for my container?

Polypropylene or Polyethylene is the two different types of resin used when producing plastically corrugated. The most common throughout the plastic corrugated industry is PP when producing products or sheets in I-Beam(also known as H-Beam) structure material. The I-Beam plastic corrugated material can also be produced in PE when required. When producing containers or sheets in plastic corrugated laminated (Wave-Beam) structure it will always be made from polyethylene. The most common thickness for PE laminated (Wave-Beam) is 4mm.

## Polypropylene vs Polyethylene Plastic Corrugated

Depending on how you are going to use your product. PE is less affected by extreme cold applications. When the temperatures reach 10°C or lower PP will begin to have a tendency or at least more likely to fracture or crack when it takes an impact or when flexed or folded in this cold environment.

PE is also softer, so it may be selected or rejected for the project because of this factor. The warmer the environment the softer polyethylene will become.

PE plastic corrugated sheet more “shinning and smooth” than PP plastic corrugated sheet.

Both materials have their benefits and deficits. So each project needs to be evaluated before making a decision.

Materiel		Polypropylene (PP) or Calcium carbonate filled Polyethylene ( PE)						
Description		Set up easily and foldable when empty, option include RSC, HSC, Locking bottom and tops and so on.						
Thickness (mm)		2	3	4	5	6	7	8-12
Density	Lowest	280	400	550	700	800	800	900
	Highest	800	1200	1500	1600	1800	2000	3200
Size	Width	PP<2.25M; PE<1.4M						
	Length	As required						
Colors		Custom Colors						
Printing		Custom designs (additional cost may apply)						
Functional Options		ultra-violet protection; anti-static; electric conduction; flame retardant; aging resistance. (additional cost will apply)						
Features/Advantages		1. Impervious to water, moisture and oils. 2. Takes the place of cardboard, drives down packaging costs as much as 75%, reusable hundreds of times and can pay for itself in under 5 trips! 3. Environment friendly & recyclable 4. Perfect for use within a plant or DC, between multiple locations or from supplier to customer. Perfect for any closed-loop system. 5. Light weight.						
Deviation		±0.1mm						